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Product datasheet for SC319491

NDUFAF7 (NM_144736) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: NDUFAF7 (NM_144736) Human Untagged Clone

Tag: Tag Free

Symbol: NDUFAF7

Synonyms: C2orf56; MidA; PRO1853

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC (PS100020)

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for NM_144736.3
CCCAGCTCCTGGCGGAGCGAGCTAGCCTGCGAATTTCAGCATGAGTGTACTGCTGAGGTC
AGGTTTGGGGCCGTTGTGTGCCGTGGCGCGCGCAGCCATTCCTTTTATTTGGAGAGGGAA
ATACTTCAGCTCCGGGAATGAGCCTGCAGAAAACCCGGTGACGCCGATGCTGCGGCATCT
TATGTACAAAATAAAGTCTACTGGTCCCATCACTGTGGCCGAGTACATGAAGGAGGTGTT
GACTAATCCAGCCAAGGGTTATTATGTGTACCGTGACATGCTAGGCGAAAAAGGAGATTT
CATTACTTCACCTGAAATAAGTCAAATCTTTGGGGAGCTACTAGGTATATGGTTCATTAG
TGAATGGATGGCCACTGGAAAAAGCACAGCTTTCCAGCTGGTGGAACTGGGCCCAGGTAG
GGGAACCCTCGTGGGAGATATTTTGAGGGTGTTCACTCAACTTGGATCTGTGCTGAAAAA
TTGTGACATTTCAGTACATCTGGTAGAGGTAAGCCAAAAATTAAGTGAGATTCAAGCATT
GACACTGACTAAAGAGAAGGTCCCGTTAGAGCGAAATGCTGGATCCCCAGTGTATATGAA
AGGTGTCACTAAGTCTGGGATTCCAATTTCCTGGTACCGAGATCTGCACGATGTTCCAAA
AGGGTACAGCTTTTATCTTGCACATGAATTTTTTGATGTTCTTCCTGTGCATAAATTTCA
GAAAACACCACAGGGATGGCGAGAAGTATTTGTTGACATTGATCCACAGGTTTCTGATAA
ACTGAGGTTTGTTTTGGCACCTTCTGCCACCCCAGCAGAAGCCTTCATACAACATGACGA
AACAAGGGATCATGTTGAAGTGTGTCCTGATGCTGGTGTTATCATCGAGGAACTTTCTCA
ACGCATTGCATTAACTGGAGGTGCTGCACTGGTTGCTGATTATGGTCATGATGGAACAAA
GACAGATACCTTCAGAGGGTTTTGCGACCACAAGCTTCATGATGTCTTAATTGCCCCAGG
AACAGCAGATCTAACAGCTGATGTGGACTTCAGTTATTTGCGAAGAATGGCACAGGGAAA
AGTAGCCTCTCTGGGCCCAATAAAACAACACACATTTTTAAAAAATATGGGTATTGATGT
CCGGCTGAAGGTTCTTTTAGATAAATCAAATGAGCCATCAGTGAGGCAGCAGTTACTTCA
AGGATATGATATGTTAATGAATCCAAAGAAGATGGGAGAGAGATTTAACTTTTTTGCCTT
GCTACCTCATCAGAGACTTCAAGGTGGAAGATATCAGAGGAATGCACGTCAGTCAAAACC
CTTTGCATCCGTTGTAGCTGGGTTTAGTGAACTTGCTTGGCAGTGATATTTCAGCTTGGA
CATTTTACCCTTCAGTCGGCCCAAGAAATCAAAATAAAGGAAACACATTTCATATAAAAA
AAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:	Please inquire
ACCN:	NM_144736
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_144736.3, NP_653337.1
RefSeq Size:	2205 bp
RefSeq ORF:	1326 bp
Locus ID:	55471
UniProt ID:	Q7L592
Cytogenetics:	2p22.2
Domains:	DUF185
Gene Summary:	This gene encodes an assembly factor protein which helps in the assembly and stabilization of Complex I, a large multi-subunit enzyme in the mitochondrial respiratory chain. Complex I is involved in several physiological activities in the cell, including metabolite transport and ATP synthesis. The encoded protein is a methyltransferase which methylates Arg85 of a subunit of Complex I in the early stages of its assembly. A pseudogene related to this gene is located on chromosome 8. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).